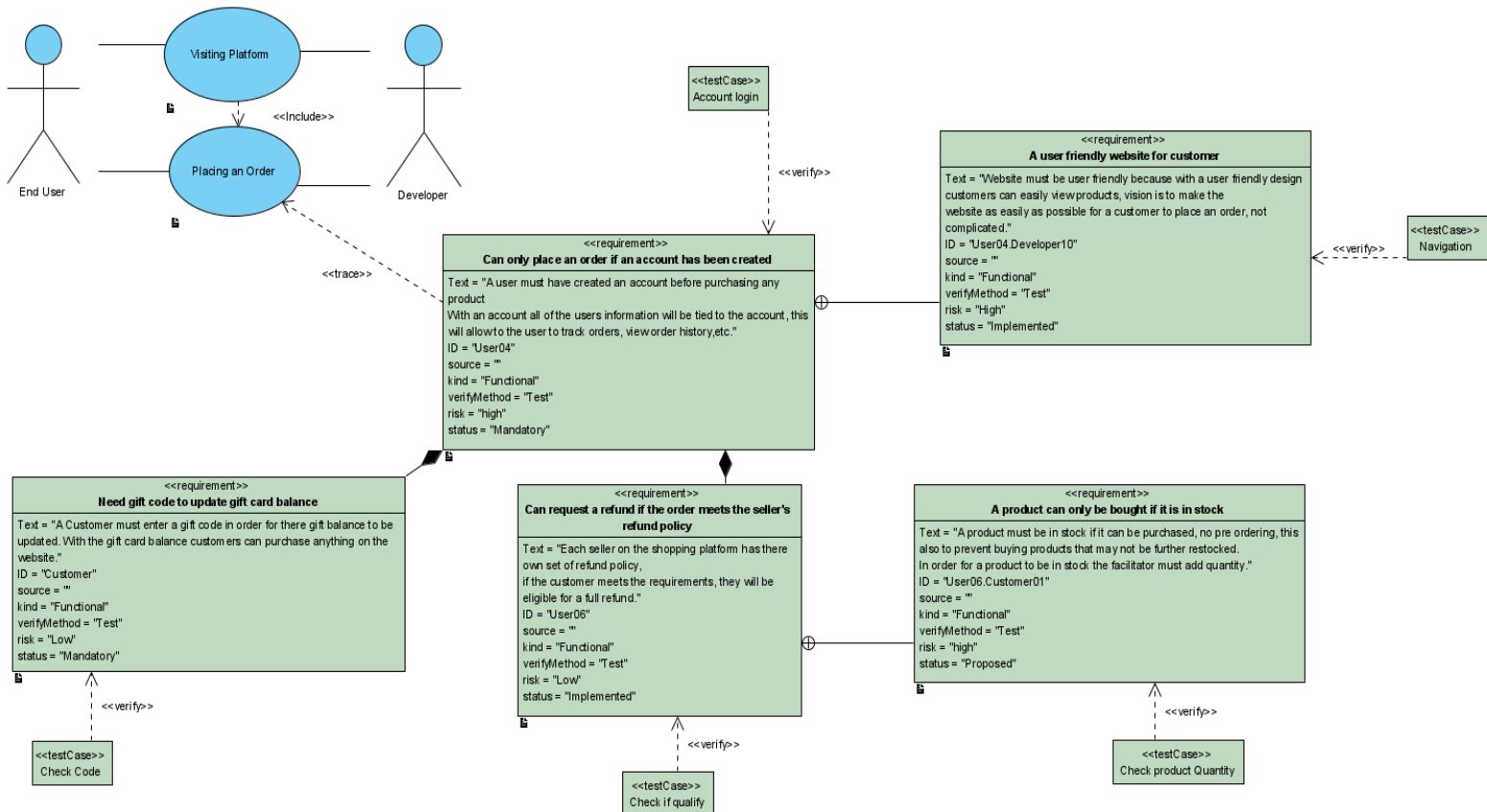


# Use Case Report: Use Case Diagrams and Descriptions

## User Stories 1

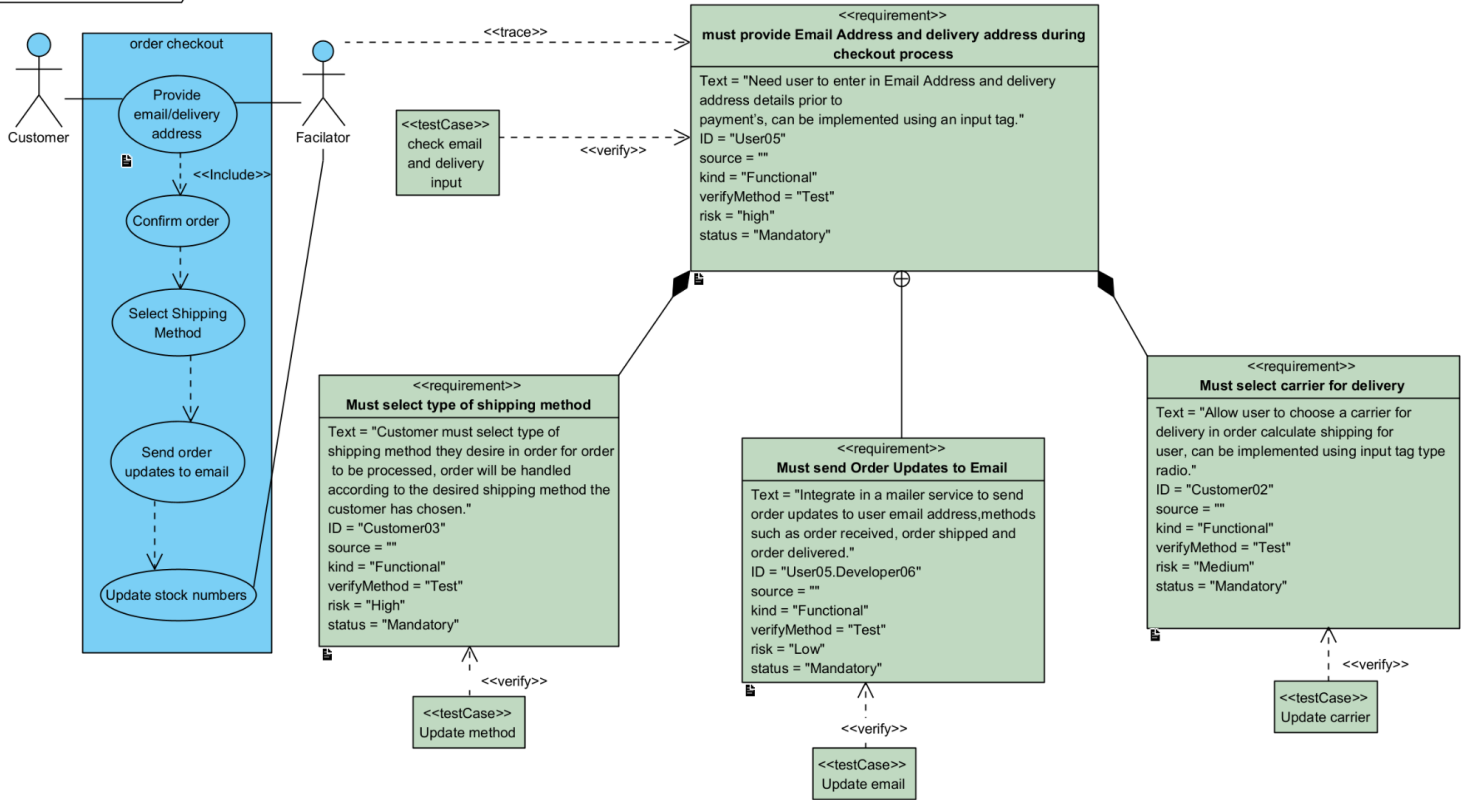
### Title: End Users Must create an account to use Platform



## User Stories 2

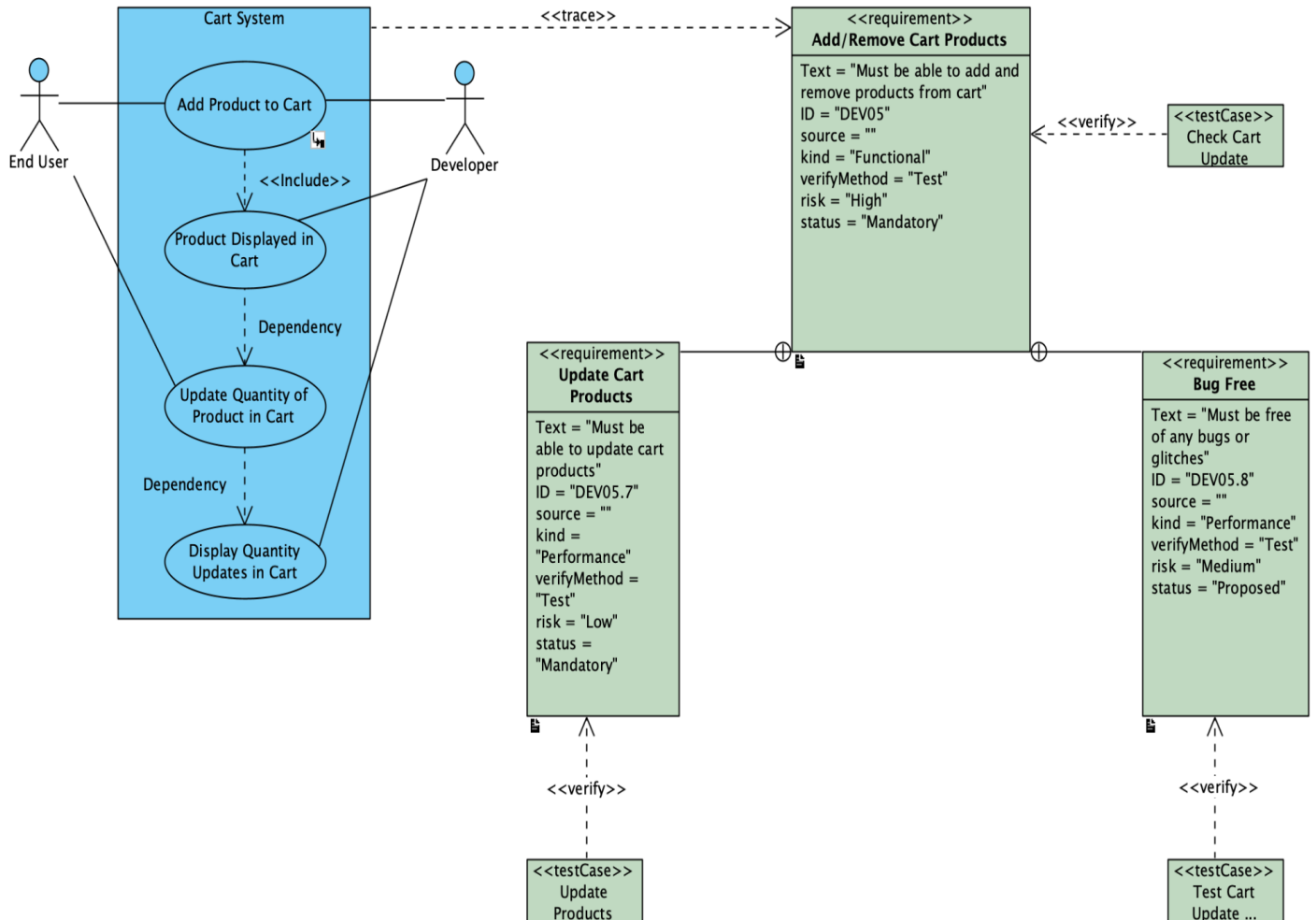
### Title: Order Checkout and Shipping methods

req [Requirement Diagram1]



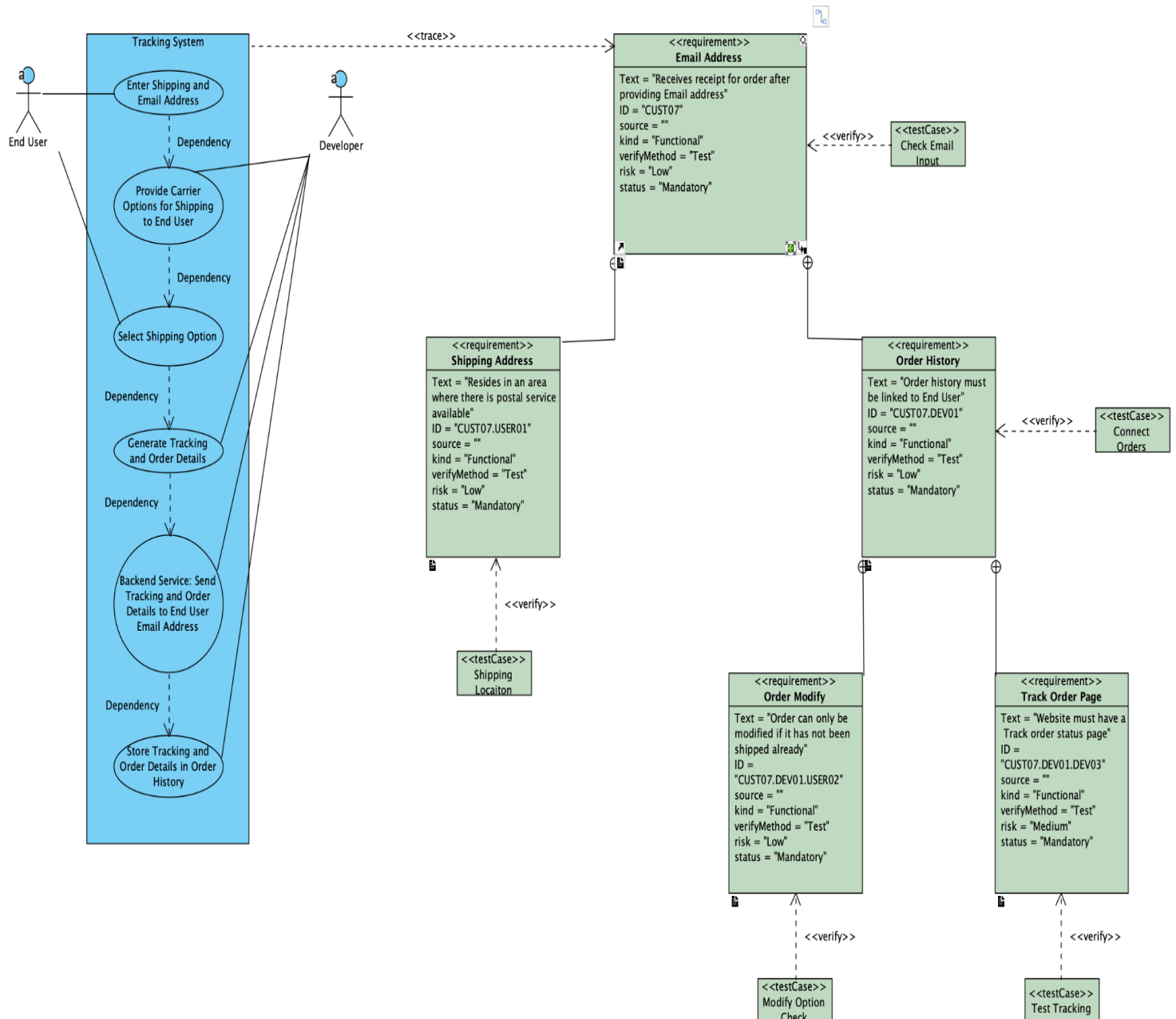
## User Stories 3

### Title: Integrate cart update into the platform architecture > Simple Navigation



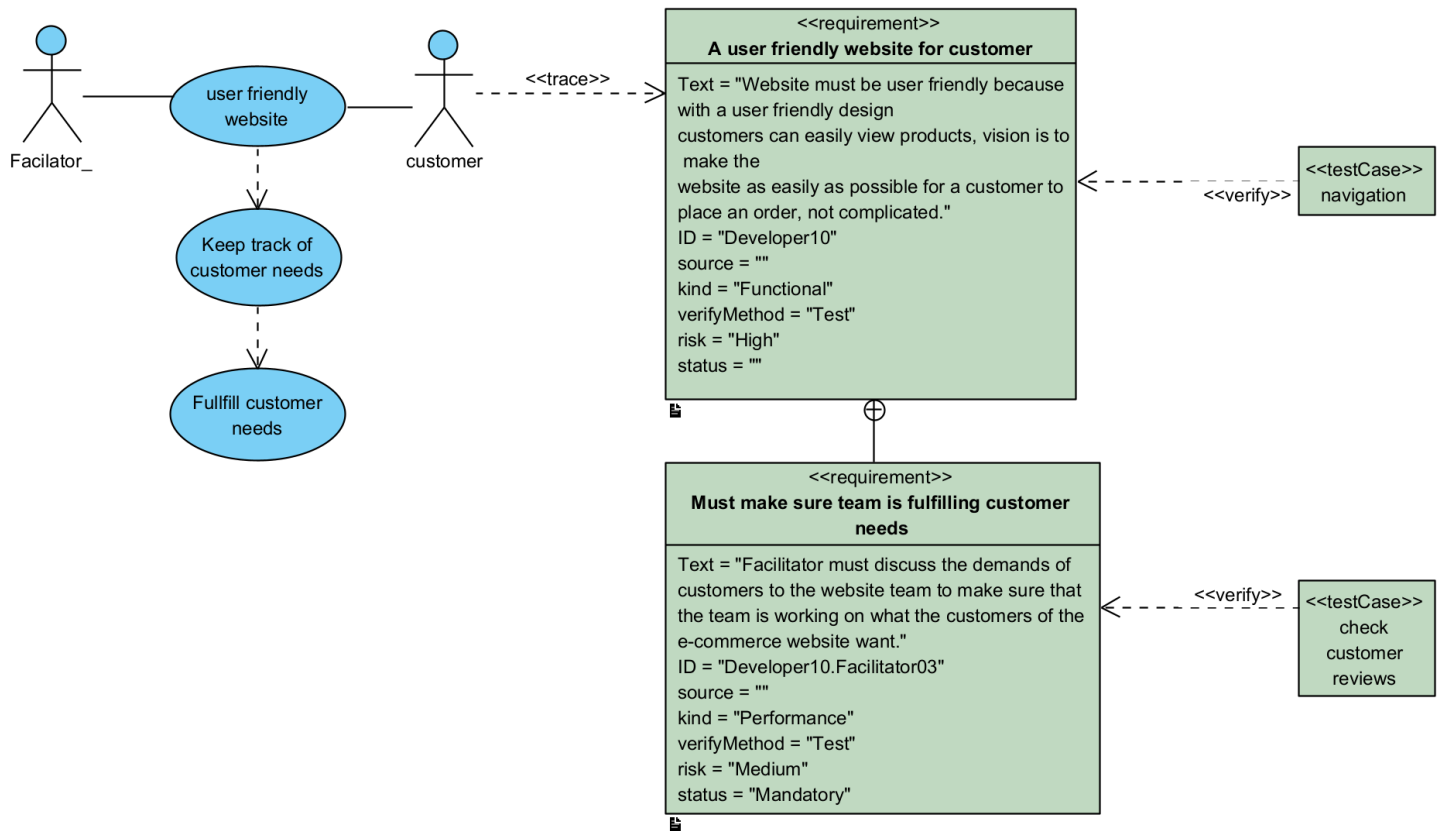
## User Stories 4

### Title: Receipt and tracking number after transaction



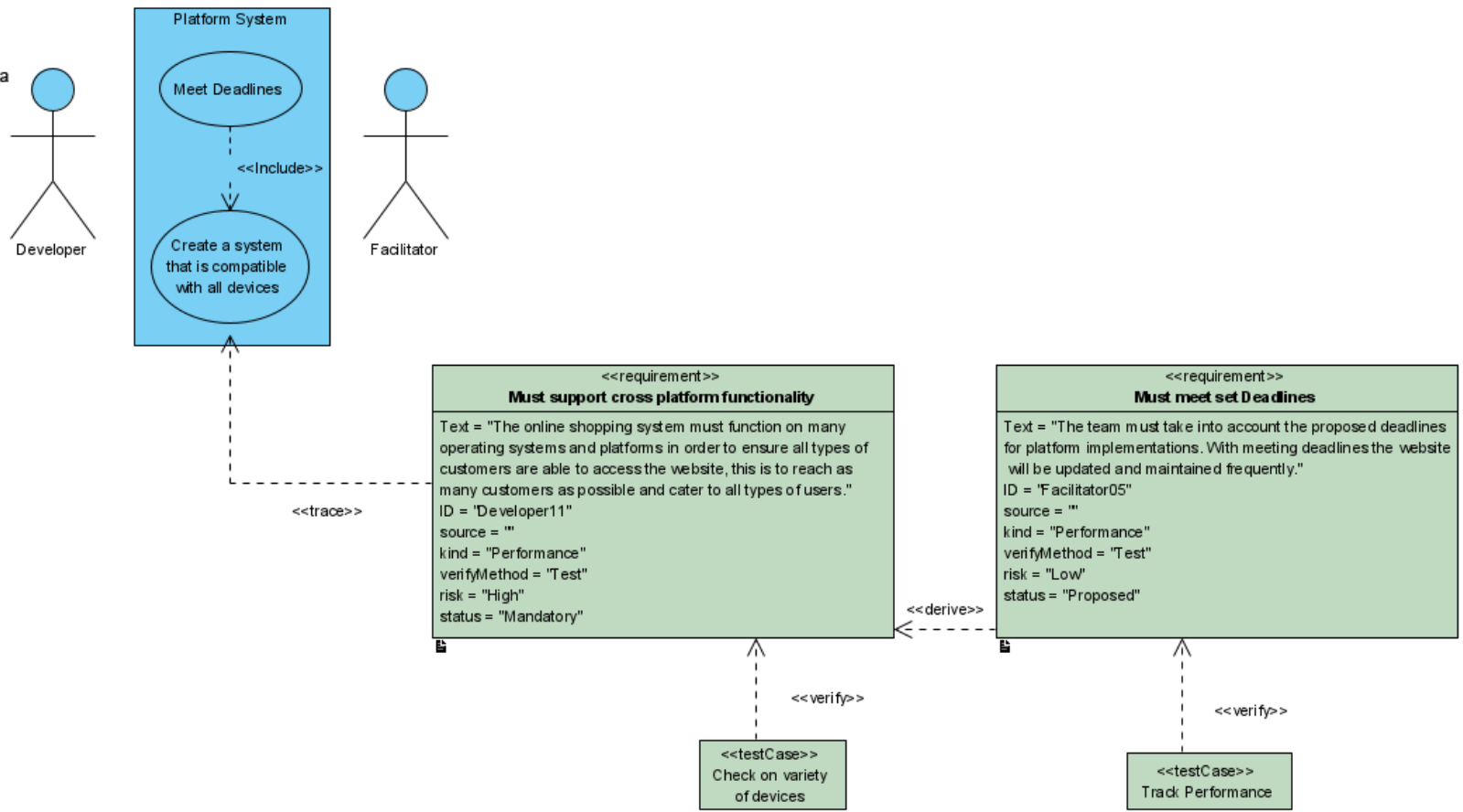
## User Stories 5

### Title: Maintain Track



# User Stories 6

## Title: Development Risk and Deadlines



# Deliverable B.2.1: Use Case Descriptions

## User Stories 2

### Title: Order Checkout and Shipping methods

#### Confirm order

##### Information

Rank	High
ID	
Status	Unspecified
Justification	customer Requirement
Primary Actors	
Supporting Actors	

##### Details

Level	summary
Complexity	easy
Use Case Status	last
Implementation Status	schduled
Preconditions	must provide Email Address and delivery address during checkout process
Post-conditions	Must select type of shipping method
Author	grp 15
Assumptions	N/A

##### Requirements

must select items

#### Provide email/dlivery address

Need user to enter in Email Address and delivery address details prior to payment's, can be implemented using an input tag.

##### Information

Rank	High
ID	
Status	Unspecified
Justification	High customer requirement
Primary Actors	Customer, Facilator
Supporting Actors	

##### Details

Level	N/A
Complexity	low
Use Case Status	initial
Implementation Status	scheduled
Preconditions	select items
Post-conditions	proceed to checkout
Author	group 15
Assumptions	N/A

##### Requirements

Enter email/delivery address

#### Select Shipping Method

##### Information

Rank	Medium
ID	
Status	Unspecified
Justification	high customer requirement
Primary Actors	
Supporting Actors	

##### Details

Level	summary
Complexity	easy
Use Case Status	final
Implementation Status	N/A
Preconditions	Confirm order
Post-conditions	Send order updates to email
Author	grp 15
Assumptions	N/A

##### Requirements

must select shipping address

#### Send order updates to email

##### Information

Rank	Low
ID	
Status	Unspecified
Justification	customer need
Primary Actors	
Supporting Actors	

##### Details

Level	final
Complexity	easy
Use Case Status	last
Implementation Status	N/A
Preconditions	Select Shipping Method
Post-conditions	Update stock numbers
Author	N/A
Assumptions	N/A

##### Requirements

must provide email

#### Update stock numbers

##### Information

Rank	High
ID	
Status	Unspecified
Justification	
Primary Actors	Facilator
Supporting Actors	

##### Details

Level	final
Complexity	medium
Use Case Status	last
Implementation Status	N/A
Preconditions	Send order updates to email
Post-conditions	N/A
Author	grp 15
Assumptions	N/A

# User Stories 3

## Title: Integrate cart update into the platform architecture > Simple Navigation

### Add Product to Cart

#### Information

Rank	High
ID	
Status	Unspecified
Justification	High Customer Requirement
Primary Actors	Actor
Supporting Actors	

#### Details

Level	Summary
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Add/Remove Cart Products
Post-conditions	Update Cart ProductsBug Free
Author	Group 15
Assumptions	N/A

#### Requirements

Add/Remove Cart Products

### Display Quantity Updates in Cart

#### Information

Rank	Medium
ID	
Status	
Justification	Simple Navigation
Primary Actors	Developer
Supporting Actors	

#### Details

Level	User
Complexity	Low
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Add/Remove Cart Products
Post-conditions	Bug Free
Author	Group 15
Assumptions	N/A

#### Requirements

Add/Remove Cart Products





Product Displayed in Cart

Information

Rank	Medium
ID	
Status	
Justification	Customer Requirement
Primary Actors	Developer
Supporting Actors	

Details

Level	User
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Add/Remove Cart Products
Post-conditions	Update Cart Products
Author	Group 15
Assumptions	N/A

Requirements

Add/Remove Cart Products

Update Quantity of Product in Cart

Information

Rank	Medium
ID	
Status	
Justification	Required for Simple Navigation
Primary Actors	End User
Supporting Actors	

Details

Level	User
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Add/Remove Cart Products
Post-conditions	Bug Free
Author	Group 15
Assumptions	N/A

Requirements

Add/Remove Cart Products

# User Stories 5

## Title: Maintain track

### Fullfill customer needs

#### Information

Rank	High
ID	
Status	Unspecified
Justification	customer requirment
Primary Actors	
Supporting Actors	

#### Details

Level	facilator
Complexity	high
Use Case Status	initial
Implementation Status	N/A
Preconditions	Keep track of customer needs
Post-conditions	N/A
Author	group 15
Assumptions	N/A

#### Requirements

User friendly website

### Keep track of customer needs

#### Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	high customer needs
Primary Actors	
Supporting Actors	

#### Details

Level	facilator
Complexity	high
Use Case Status	N/A
Implementation Status	N/A
Preconditions	user friendly website
Post-conditions	Fullfill customer needs
Author	group 15
Assumptions	N/A

#### Requirements

user friendly website

### user friendly website

#### Information

Rank	High
ID	
Status	Unspecified
Justification	high customer requirment
Primary Actors	Facilator_, customer
Supporting Actors	

#### Details

Level	sumary
Complexity	hard
Use Case Status	initial
Implementation Status	N/A
Preconditions	N/A
Post-conditions	Keep track of customer needs
Author	N/A
Assumptions	N/A

#### Requirements

easy navigation

## **User Stories 2 Flow of Events**

### **Title: Order Checkout and Shipping methods**

#### **Email / delivery address**

1. Enter your Name
2. Enter your phone number
3. Enter your Email
4. Enter your delivery address

#### **Confirm order**

1. Check your order
2. Click 'confirm order'

#### **Shipping method**

1. Choose your shipping method
2. Confirm your address

#### **Order updates to email**

1. Receive tracking information
2. Receive payment information

#### **Product numbers**

1. Update product stock numbers

## **User Stories 5 Flow of Events**

### **Title: Maintain Track**

#### **User friendly website**

1. Easy navigation for end users

#### **Customer needs**

1. Get feedbacks from customer
2. Fulfill customer needs

## User Stories 3 Flow of Events

### Title: Integrate cart update into the platform architecture > Simple Navigation

#### Add Product to Cart

1. Select any product to add to cart
2. Click 'Add to Cart'

#### Product Displayed in Cart

1. Once 'Add to Cart' clicked, use ID of product to display in cart
2. Using ID, map all product data in cart

#### Update Quantity in Cart

1. Click Increase/Decrease Button

#### Display Quantity Updates in Cart

1. If increase or decrease button clicked
2. Dynamically update the quantity amount displayed

# User Stories 4

## Title: Receipt and tracking number after transaction

### Enter Shipping and Email Address

Ask user to input in shipping and email address in order to receive order details.

#### Information

Rank	Medium
ID	
Status	Unspecified
Justification	Required for Order Details
Primary Actors	End User
Supporting Actors	

#### Details

Level	User
Complexity	Low
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Email Address
Post-conditions	N/A
Author	Group 15
Assumptions	N/A

#### Requirements

Email Address

### Provide Carrier Options for Shipping to End User

Based on country and address location user entered, provide options for shipping carriers

#### Information

Rank	High
ID	
Status	
Justification	Required so user can select shipping carrier
Primary Actors	Developer
Supporting Actors	

#### Details

Level	User
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Email Address
Post-conditions	N/A
Author	Group 15
Assumptions	N/A

#### Requirements

Email Address

## Select Shipping Option

User needs to select a shipping option

### Information

Rank	Low
ID	
Status	
Justification	Required to proceed
Primary Actors	End User
Supporting Actors	

### Details

Level	User
Complexity	Low
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Email AddressShipping Address
Post-conditions	N/A
Author	Group 15
Assumptions	N/A

### Requirements

Email Address

## Generate Tracking and Order Details

After user selects shipping options, a tracking and order details is generated

### Information

Rank	Medium
ID	
Status	
Justification	Mandatory to provide to User
Primary Actors	Developer
Supporting Actors	

### Details

Level	User
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Shipping Address
Post-conditions	N/A
Author	Group 15
Assumptions	N/A

### Requirements

Email Address

Backend Service: Send Tracking and Order Details to End User  
Email Address

Using backend service, Ruby on Rails, send email to user with all order and tracking details

Information

Rank	High
ID	
Status	
Justification	Mandatory
Primary Actors	Developer
Supporting Actors	

Details

Level	User
Complexity	High
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Email AddressShipping Address
Post-conditions	N/A
Author	N/A
Assumptions	N/A

Requirements

Email Address

Store Tracking and Order Details in Order History

Store all order history details in Order History page

Information

Rank	Medium
ID	
Status	
Justification	Simple Navigation for User
Primary Actors	Developer
Supporting Actors	

Details

Level	User
Complexity	Medium
Use Case Status	Initial
Implementation Status	Scheduled
Preconditions	Email AddressShipping Address
Post-conditions	Order History
Author	N/A
Assumptions	N/A

Requirements

Email Address

## User Stories 4: Flow of Events

### Title: Receipt and tracking number after transaction

Enter Shipping and Email Address

1. User fills in the input section for shipping and email address
2. If not filled out, user won't be able to submit form to checkout

Provide Carrier Options for Shipping

1. Shipping address is entered
2. Generate carrier options

Select Shipping Options

1. Shipping carriers generated
2. Use radio buttons to display shipping options
3. Allow user to select preferred carrier option

Generate Tracking and Order Details

1. User fills in form
2. Connect tracking with shipping carrier
3. Generate tracking number
4. Generate order details

Backend Service: Send Tracking and Order Details to End User Email Address

1. Get ID for Tracking Data
2. Get ID for Order Details
3. Send all properties for Tracking and Order Details Data to Email Address



## Store Tracking and Order Details in Order History

1. Get ID for Tracking Data
2. Get ID for Order Details
3. Send all properties for Tracking and Order Details Data to Order History page

## User Stories 1

**Title: End Users Must create an account to use platform**

### Use case details/specifications and Flow of Events

#### Placing an Order

A user must have created an account before purchasing any product with an account all of the users information will be tied to the account, this will allow to the user to track orders, view order history, etc. A product must be in stock if it can be purchased, no pre ordering, this also to prevent buying products that may not be further restocked. In order for a product to be in stock the facilitator must add product quantity. Each seller on the shopping platform has their own set of refund policy, if the customer meets the requirements, they will be eligible for a full refund.

#### Information

**Rank** High  
**ID**  
**Status**  
**Justification**  
**Primary Actors** End User, Developer  
**Supporting Actors**

#### Scenarios

##### Scenario

1. User must create an account
2. User must login to account if they already have an account
3. User can place an order once they have created an account
4. Developer needs to store User login information into the website backend
5. User can only order products that are in stock
6. User can add a balance from Gift codes
7. Gift code balance can be applied to order amount
8. User can request refund if meets the seller's refund policy
9. Order can not be modified after the order has been shipped
10. User can track their past orders
11. Developer must create a system in which a particular accounts orders are stored and registered
12. Developer must create a mechanism in which the User receives E-mails of information about their order
13. The User can cancel a order if it has not already been shipped

### Details

<b>Level</b>	Summary
<b>Complexity</b>	High
<b>Use Case Status</b>	Initial
<b>Implementation Status</b>	Complete
<b>Preconditions</b>	Created an account
<b>Post-conditions</b>	Placing a order
<b>Author</b>	Group 15
<b>Assumptions</b>	n/a

## Visiting Platform

In order for the user to have a good experience the developer needs to make sure the platform is free of any bugs and functions properly. Website must be user friendly because with a user friendly design customers can easily view products and navigate clearly, this leads to higher potential revenue.

### Information

<b>Rank</b>	High
<b>ID</b>	
<b>Status</b>	Low
<b>Justification</b>	
<b>Primary Actors</b>	End User, Developer
<b>Supporting Actors</b>	

## Scenarios

### Scenario

1. User enters shopping platforms URL
2. User views products
3. User creates an account if not done so already
4. User logs in to purchase product
5. User determines if they would like to apply their gift balance
6. User places order
7. User receives E-mail confirming that there order has been placed
8. User can modify order until it has not been shipped yet
9. User can return item if meets the sellers return policy
10. User receives an Email when their order has been shipped
11. Platform is bug free
12. User can add Gift card balance to account

#### Details

<b>Level</b>	User
<b>Complexity</b>	Medium
<b>Use Case Status</b>	Initial
<b>Implementation Status</b>	Complete
<b>Preconditions</b>	Website is online and running
<b>Post-conditions</b>	Platform is user friendly
<b>Author</b>	Group 15
<b>Assumptions</b>	Platform is online

### User Stories 6

**Title: Title: Development Risk and Deadlines**

**Use case details/specifications and Flow of Events**

#### Details

<b>Level</b>	Summary
<b>Complexity</b>	Medium
<b>Use Case Status</b>	Complete
<b>Implementation Status</b>	Partially Complete
<b>Preconditions</b>	Deadlines are given to team
<b>Post-conditions</b>	Deadlines are met buy Developers
<b>Author</b>	Group 15
<b>Assumptions</b>	There is a project

## Meet Deadlines

The team must take into account the proposed deadlines for platform implementations. With meeting deadlines the website will be updated and maintained frequently. The facilitator sets priorities on what needs to be done.

### Information

<b>Rank</b>	High
<b>ID</b>	
<b>Status</b>	Unspecified
<b>Justification</b>	
<b>Primary Actors</b>	Developer, Facilitator
<b>Supporting Actors</b>	

### Scenarios

#### Scenario

1. Facilitator constructs what is needed
2. Facilitator constructs features that need to be added
3. Facilitator organizes priorities
4. Facilitator discusses with developers on approximate length to apply such features
5. Facilitator prescribes a deadline
6. Developer team divides work
7. Developer team maintains work consistency
8. Developer team provides progress reports
9. Facilitator evaluates work
10. Developer tests new project
11. Developer implements the work into actual platform
12. Facilitator gathers survey feedback on the new additions

## Create a system that is compatible with all devices

The online shopping system must function on many operating systems and platforms in order to ensure all types of customers are able to access the website, this is to reach as many customers as possible and cater to all types of users. Test on all devices

### Information

<b>Rank</b>	Unspecified
<b>ID</b>	
<b>Status</b>	Unspecified
<b>Justification</b>	
<b>Primary Actors</b>	Facilitator, Developer
<b>Supporting Actors</b>	

### Scenarios

#### Scenario

1. Analyze which type of device platform to first optimize
2. Facilitator surveys % of visitors from each device category eg pc, mobile
3. Developer optimizes platform for that particular device
4. Test system to make sure it runs smoothly
5. Make website as user friendly as possible
6. Minimize plugins to avoid loading times
7. Evaluate proportion sizes based on type of device

### Details

<b>Level</b>	Summary
<b>Complexity</b>	High
<b>Use Case Status</b>	Initial
<b>Implementation Status</b>	Scheduled
<b>Preconditions</b>	Website does not have a mobile version yet
<b>Post-conditions</b>	Website is optimized for all types of devices
<b>Author</b>	Group 15
<b>Assumptions</b>	The system is compatible